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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/254,617
Filing Date	March 22, 1999
First Named Inventor	Jacques MALLET, et al.
Art Unit	1632
Examiner Name	Anne-Marie Falk
Attorney Docket Number	ST96025-US

Total Number of Pages in This Submission

Certificate JUL 09 2004 of Correction

ENCLOSURES *(Check all that apply)*

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☐ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
  - ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
- ☐ After Allowance communication to Technology Center (TC)
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC **(Appeal Notice, Brief, Reply Brief)**
- ☐ Proprietary Information
- ☐ Status Letter
- ☑ Other Enclosure(s) (please Identify below):

Request for Cert. of Correction (1 pg); Cert. of Correction Form (1 page); copy of pages 1-7 from Amendment After Final (7 pages).

Remarks

Customer No. 29693

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	David J. Kulik, Reg. No. 36,576
Signature	
Date	July 6, 2004

CERTIFICATE OF TRANSMISSION/MAILING

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JUL 12 2004

PATENT
Attorney Docket No.: ST96025-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jacques MALLET, et al.

Patent. No.: 6,723,315 B1
(Issued April 20, 2004)

Application No. 09/254,617

For: METHOD FOR TREATING AMYOTROPHIC LATERAL SCLEROSIS

Group Art Unit: 1632

Examiner: Anne-Marie Falk

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.322(a)

Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants respectfully request a Certificate of Correction under 37 CFR 1.322(a) be entered in the above-identified patent. This request is being submitted to correct errors in the issued patent referenced above, as enumerated on the attached Certificate of Correction Form PTO/SB/44. We also attach copies of pages 1-7 from the Amendment After Final filed on October 2, 2003, providing the amended listing of claims to replace all prior versions of claims in this application. It is evident from the attached listing of claims that the errors in the issued patent arose through the fault of the Patent Office. Accordingly, Applicant does not believe any fees are required to process this request. However, in the event any fees are due or required, please charge the undersigned's Deposit Account No. 50-1129.

Respectfully submitted,
WILEY REIN & FIELDING LLP

Date: July 6, 2004

By: _____
David J. Kulik, Reg. No. 36,576

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PTO/SB/44 (02-01)
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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 6,723,315 B1
DATED : April 20, 2004
INVENTOR(S) : Jacques MALLET, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the claims:

Claim 5, line 53, change "adenoviruses adenovirus" to --adenovirus--.
Claim 10, line 1, change "according to" to --of--.
Claim 17, line 27, change "a cassette" to --cassette--.
Claim 24, line 60, change "of transcriptional" to -- of a transcriptional--.
Claim 29, line 4, change "comprises an a" to --comprises a--.
Claim 49, line 55, change "factors" to --factor--.
Claim 50, line 59, change "factor under the" to --factor.--.
Claim 55, line 2, change "factors" to --factor--.
Claim 56, line 4, change "factors" to --factor--.
Claim 57, line 6, change "factors" to --factor--.
Claim 58, line 8, change "factors" to --factor--.

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PATENT NO. 6,723,315 B1

No. of additional copies

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	09/254,617	Confirmation No. 7283
Applicant	:	Jacques MALLET	
Filed	:	March 22, 1999	
TC/A.U.	:	1632	
Examiner	:	Anne Falk	
Docket No.	:	ST96025-US	
Customer No.	:	29693	

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Alexandria, VA 22313-1450

AMENDMENT AFTER FINAL

Sir:

In response to the Final Office Action of January 28, 2003 (Paper No. 20), and the Advisory Action of September 10, 2003 (Paper No. 25), applicants request reconsideration. In addition, in order to place the application in better form for appeal or in condition for allowance, applicants request entry of the following amendments. Applicants previously filed a Notice of Appeal on July 28, 2003; therefore this response is timely filed.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-63 canceled.

64. (previously presented) A pharmaceutical composition comprising two adenovirus vectors, wherein each vector comprises a nucleic acid encoding a different neurotrophic factor.

65. (currently amended) The pharmaceutical composition according to claim 64, wherein the vectors comprise an expression cassette ~~for the simultaneous expression of two different neurotrophic factors~~ having the coding sequences of two different neurotrophic factors and having sequences that provide for the simultaneous expression of the two different neurotrophic factors.

66. (previously presented) The pharmaceutical composition according to claim 64, wherein the neurotrophic factors are selected from GDNF, BDNF, CNTF and NT3.

67. (currently amended) The pharmaceutical composition according to claim 66, wherein the adenovirus vectors are two replication defective recombinant ~~adenoviruses~~ adenovirus vectors, and wherein one adenovirus vector comprises a nucleic acid encoding CNTF and one adenovirus vector comprises a nucleic acid encoding GDNF.

68. (currently amended) The pharmaceutical composition according to claim 66, wherein the adenovirus vectors are two replication defective recombinant ~~adenoviruses~~ adenovirus vectors, and wherein one adenovirus vector comprises a nucleic acid encoding GDNF and one adenovirus vector comprises a nucleic acid encoding NT3.

69. (currently amended) The pharmaceutical composition according to claim 66, wherein the adenovirus vectors are two replication defective recombinant ~~adenoviruses~~ adenovirus vectors, and wherein one adenovirus vector comprises a nucleic acid encoding BDNF and one adenovirus vector comprises a nucleic acid encoding NT3.

70. (previously presented) The pharmaceutical composition according to claim 64, in an injectable form.

71. (previously presented) The pharmaceutical composition according to claim 64, further comprising riluzole.

72. (previously presented) The pharmaceutical composition according to claim 71, in an injectable form.

73. (previously presented) The pharmaceutical composition of claim 64, wherein one of the neurotrophic factors is CNTF.

74. (previously presented) The pharmaceutical composition of claim 64, wherein one of the neurotrophic factors is BDNF.

75. (previously presented) The pharmaceutical composition of claim 64, wherein at least one adenovirus vector is a replication defective recombinant adenovirus vector.

76. (previously presented) A method of treating amyotrophic lateral sclerosis comprising administering to a subject by systemic administration a pharmaceutical composition comprising an adenovirus vector comprising a nucleic acid encoding a neurotrophic factor, wherein the treatment results in a reduction in progressive motor neuron degeneration in said subject.

77. (previously presented) A method of treating amyotrophic lateral sclerosis comprising administering to a subject by systemic administration a pharmaceutical composition comprising an adenovirus vector comprising a nucleic acid encoding a neurotrophic factor, wherein the treatment results in a reduction in progressive denervation in said subject.

78. (previously presented) The method of claim 76, wherein the reduction in progressive motor neuron degeneration is detectable by a change in the rate of loss of the number of myelinized fibers in a peripheral nervous tissue.

79. (previously presented) The method of claim 77, wherein the reduction in progressive denervation is detectable by electromyography.

80. (previously presented) The method of claim 76, wherein the adenovirus vector comprises an expression cassette comprising a nucleic acid encoding a neurotrophic factor under the control of a transcriptional promoter.

81. (previously presented) The method of claim 77, wherein the adenovirus vector comprises an expression cassette comprising a nucleic acid encoding a neurotrophic factor under the control of a transcriptional promoter.

82. (previously presented) The method of claim 78, wherein the adenovirus vector comprises an expression cassette comprising a nucleic acid encoding a neurotrophic factor under the control of a transcriptional promoter.

83. (previously presented) The method of claim 79, wherein the adenovirus vector comprises an expression cassette comprising a nucleic acid encoding a neurotrophic factor under the control of a transcriptional promoter.

84. (previously presented) The method of claim 76, wherein the adenovirus vector comprises two expression cassettes, wherein each cassette comprises a nucleic acid encoding a different neurotrophic factor under the control of a transcriptional promoter.

85. (previously presented) The method of claim 77, wherein the adenovirus vector comprises two expression cassettes, wherein each cassette comprises a nucleic acid encoding a different neurotrophic factor under the control of a transcriptional promoter.

86. (previously presented) The method of claim 78, wherein the adenovirus vector comprises two expression cassettes, wherein each cassette comprises a nucleic acid encoding a different neurotrophic factor under the control of a transcriptional promoter.

87. (previously presented) The method of claim 79, wherein the adenovirus vector comprises two expression cassettes, wherein each cassette comprises a nucleic acid encoding a different neurotrophic factor under the control of a transcriptional promoter.

88. (previously presented) The method of claim 76, wherein the neurotrophic factor is GDNF, CNTF, BDNF or NT3.

89. (previously presented) The method of claim 77, wherein the neurotrophic factor is GDNF, CNTF, BDNF or NT3.

90. (previously presented) The method of claim 78, wherein the neurotrophic factor is GDNF, CNTF, BDNF or NT3.

91. (previously presented) The method of claim 79, wherein the neurotrophic factor is GDNF, CNTF, BDNF or NT3.

92. (currently amended) The method of claim 76, wherein the adenovirus vector comprises ~~an~~ a bicistronic expression cassette comprising two nucleic acid sequences, wherein each nucleic acid sequence encodes a different neurotrophic factor ~~under the control of a single transcriptional promoter~~.

93. (previously presented) The method of claim 92, wherein the neurotrophic factors are selected from GDNF, CNTF, BDNF and NT3.

94. (previously presented) The method of claim 93, wherein the neurotrophic factors are CNTF and GDNF.

95. (currently amended) The method of claim 92, wherein the bicistronic expression cassette further comprises a transcriptional promoter, the promoter selected from a constitutive eucaryotic promoter or a viral promoter.

96. (previously presented) The method of claim 95, wherein the promoter is selected from a CMV, RSV, or adenovirus promoter.

97. (previously presented) The method of claim 76, wherein the systemic administration comprises intravenous administration.

98. (previously presented) The method of claim 77, wherein the systemic administration comprises intravenous administration.

99. (previously presented) The method of claim 78, wherein the systemic administration comprises intravenous administration.

100. (previously presented) The method of claim 79, wherein the systemic administration comprises intravenous administration.

101. (previously presented) The method of claim 76, further comprising administering riluzole.

102. (previously presented) The method of claim 77, further comprising administering riluzole.

103. (previously presented) The method of claim 78, further comprising administering riluzole.

104. (previously presented) The method of claim 79, further comprising administering riluzole.

105. (previously presented) The method of claim 84, further comprising administering riluzole.

106. (previously presented) The method of claim 85, further comprising administering riluzole.

107. (previously presented) The method of claim 88, further comprising administering riluzole.

108. (previously presented) The method of claim 89, further comprising administering riluzole.

109. (previously presented) A method of treating amyotrophic lateral sclerosis comprising administering to a subject by systemic administration a pharmaceutical composition comprising an adenovirus vector comprising a nucleic acid encoding a neurotrophic factor, wherein the treatment results in increased lifespan for said subject.

110. (previously presented) The method of claim 109, wherein the adenovirus vector comprises an expression cassette comprising a nucleic acid encoding a neurotrophic factor under the control of a transcriptional promoter.

111. (previously presented) The method claim 109, wherein the adenovirus vector comprises two expression cassettes, wherein each cassette comprises a nucleic acid encoding a different neurotrophic factor under the control of a transcriptional promoter.

112. (previously presented) The method of claim 109, wherein the neurotrophic factor is one of GDNF, CNTF, BDNF or NT3.

113. (currently amended) The method of claim 109, wherein the adenovirus vector comprises ~~an~~ a bicistronic expression cassette comprising two nucleic acid sequences, wherein each nucleic acid sequence encodes a different neurotrophic factor ~~under the control of a single transcriptional promoter~~.

114. (previously presented) The method of claim 111, wherein the neurotrophic factors are selected from GDNF, CNTF, BDNF and NT3.

115. (previously presented) The method of claim 111, wherein the neurotrophic factors are CNTF and GDNF.

116. (previously presented) The method of claim 110, wherein the transcriptional promoter is a constitutive eucaryotic or viral promoter.

117. (previously presented) The method of claim 116, wherein the promoter is selected from a CMV,
RSV, or adenovirus promoter.

118. (previously presented) The method of claim 109, wherein the neurotrophic factor is CNTF.

119. (previously presented) The method of claim 109, wherein the neurotrophic factor is GDNF.

120. (previously presented) The method of claim 109, wherein the neurotrophic factor is BDTF

121. (previously presented) The method of claim 109, wherein the neurotrophic factor is NT3.

122. (previously presented) The method of claim 109, further comprising administering riluzole.

123. (previously presented) The method of claim 111, further comprising administering riluzole.

124. (previously presented) The method of claim 112, further comprising administering riluzole.

125. (previously presented) The method of claim 109, wherein the systemic administration comprises intravenous administration.

126. (previously presented) The method of claim 111, wherein the systemic administration comprises intravenous administration.

127. (previously presented) The method of claim 112, wherein the systemic administration comprises intravenous administration.

128. (previously presented) The method of claim 122, wherein the systemic administration comprises intravenous administration.